



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12491941
SAU: MSAD 55
School: Sacopee Valley Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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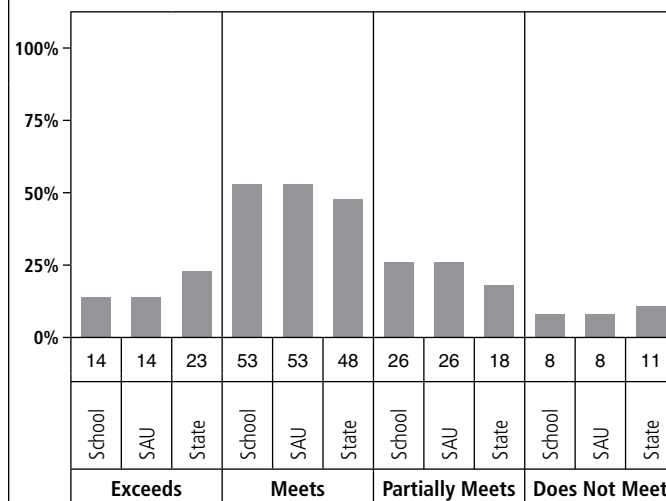
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

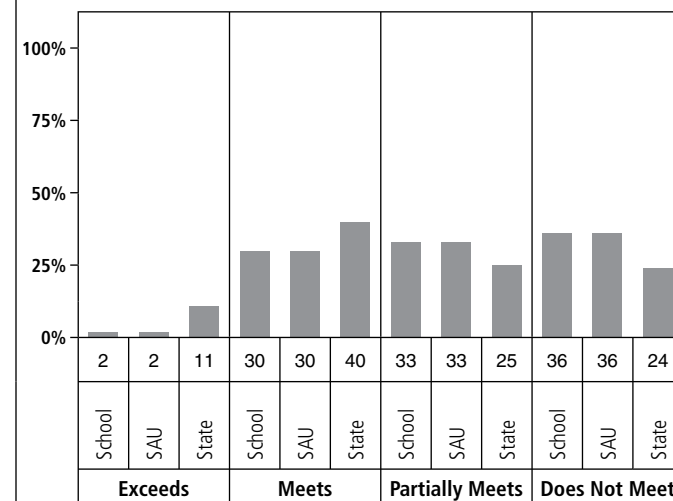
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading 2005–2006 2006–2007 2007–2008 Cum. Avg.*	847	839 841 847 843	845 847 849 847
Mathematics 2005–2006 2006–2007 2007–2008 Cum. Avg.*	834	835 835 834 835	840 842 841 841
Science & Technology 2005–2006 2006–2007 2007–2008 Cum. Avg.*	845	842 842 845 843	846 847 847 847

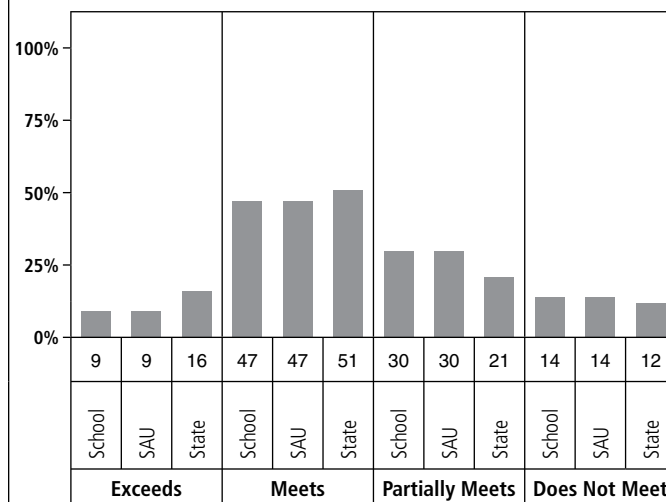
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: MSAD 55
 School: Sacopee Valley Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	121	100	121	100	15274	100	120	99	120	99	15102	99	120	99	120	99	15097	99	120	99	120	99	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	1	1	1	1	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98						
Asian or Pacific Islander	0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98						
Hispanic	2	2	2	2	139	1	2	100	2	100	136	98	2	100	2	100	136	98	2	100	2	100	136	98						
Caucasian/White	118	98	118	98	14461	95	117	99	117	99	14312	99	117	99	117	99	14302	99	117	99	117	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	23	19	23	19	2508	16	23	100	23	100	2446	98	23	100	23	100	2441	98	23	100	23	100	2431	98						
Current LEP	2	2	2	2	327	2	2	100	2	100	316	97	2	100	2	100	322	99	2	100	2	100	322	99						
Economically disadvantaged	50	41	50	41	5420	35	50	100	50	100	5329	99	50	100	50	100	5324	99	50	100	50	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	93	77	93	77	12703	83	93	77	93	77	12694	83	93	77	93	77	12710	83						
Identified disability (PET/IEP)	1	1	1	1	437	3	1	1	1	1	421	3	1	1	1	1	445	4						
LEP	1	1	1	1	172	1	1	1	1	1	172	1	1	1	1	1	173	1						
504 plan	2	2	2	2	229	2	2	2	2	2	231	2	2	2	2	2	230	2						
Participation with accommodations	25	21	25	21	2221	15	25	21	25	21	2227	15	25	21	25	21	2197	14						
Identified disability (PET/IEP)	20	80	20	80	1832	82	20	80	20	80	1844	83	20	80	20	80	1813	83						
LEP	1	4	1	4	136	6	1	4	1	4	143	6	1	4	1	4	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	4	16	4	16	213	10	4	16	4	16	202	9	4	16	4	16	204	9						
Participation through alternate assessment (PAAP)	2	2	2	2	177	1	2	2	2	2	176	1	2	2	2	2	173	1						
Identified disability (PET/IEP)	2	100	2	100	177	100	2	100	2	100	176	100	2	100	2	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	1	1	1	140	1	1	1	1	1	143	1	1	1	1	1	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date:	March 2008
Grade:	8
SAU:	MSAD 55
School:	Sacopee Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006			7	8	2695	17
	2006-2007			5	5	2407	16
	2007-2008	16	14	16	14	3428	23
	Cum. Total*			28	9	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006			42	46	6830	42
	2006-2007			44	44	7494	49
	2007-2008	62	53	62	53	7179	48
	Cum. Total*			148	48	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006			19	21	3741	23
	2006-2007			32	32	3628	24
	2007-2008	31	26	31	26	2706	18
	Cum. Total*			82	27	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006			24	26	3003	18
	2006-2007			18	18	1810	12
	2007-2008	9	8	9	8	1611	11
	Cum. Total*			51	17	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	35.8	63.9	35.8	63.9	36.9	65.9
Literary Text	28	50	17.6	62.9	17.6	62.9	18.3	65.4
Informational Text	28	50	18.2	65.0	18.2	65.0	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	118	16	14	62	53	31	26	9	8	847	118	14	53	26	8	847	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	2										2						131	18	38	27	17	846
Caucasian/White	115	16	14	62	54	28	24	9	8	848	115	14	54	24	8	848	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	21	0	0	7	33	9	43	5	24	838	21	0	33	43	24	838	2269	3	24	32	42	833
No	97	16	16	55	57	22	23	4	4	849	97	16	57	23	4	849	12655	27	52	16	5	852
Current LEP																						
Yes	2										2						308	8	30	27	34	837
No	116	16	14	62	53	29	25	9	8	848	116	14	53	25	8	848	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	48	2	4	23	48	21	44	2	4	844	48	4	48	44	4	844	5222	12	44	25	19	843
No	70	14	20	39	56	10	14	7	10	850	70	20	56	14	10	850	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	118	16	14	62	53	31	26	9	8	847	118	14	53	26	8	847	14917	23	48	18	11	849
Gender																						
Female	52	10	19	32	62	7	13	3	6	851	52	19	62	13	6	851	7198	30	48	15	7	853
Male	66	6	9	30	45	24	36	6	9	844	66	9	45	36	9	844	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	1	7	4	29	8	57	1	7	840	14	7	29	57	7	840	807	9	41	32	18	842
No	104	15	14	58	56	23	22	8	8	848	104	14	56	22	8	848	14117	24	49	17	10	850
Gifted/talented program																						
Yes	8	3	38	5	63	0	0	0	0	862	8	38	63	0	0	862	592	71	28	1	0	867
No	110	13	12	57	52	31	28	9	8	846	110	12	52	28	8	846	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	6 50 41 3	0 7 9 0	0 12 19 0	3 31 24 3	43 53 50 100	1 15 14 0	14 26 29 0	3 5 1 0	43 9 2 0	838 846 850 855	6 50 41 3	0 12 19 0	43 53 50 100	14 26 29 0	43 9 2 0	838 846 850 855	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	17 59 20 4	4 9 3 0	20 13 13 0	10 41 8 2	50 59 35 40	5 15 9 2	25 22 39 40	1 4 3 1	5 6 13 20	850 848 844 837	17 59 20 4	20 13 13 0	50 59 35 40	25 22 39 40	5 6 13 20	850 848 844 837	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	27 47 26 1	13 3 0 0	42 6 0 0	15 32 14 0	48 59 47 0	2 13 15 0	6 24 50 0	1 6 1 1	3 11 3 100	858 845 842 826	27 47 26 1	42 6 0 0	48 59 47 0	6 24 50 0	3 11 3 100	858 845 842 826	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	21 56 23	2 11 3	8 17 11	13 35 13	54 54 48	6 16 8	25 25 30	3 3 3	13 5 11	844 850 845	21 56 23	8 17 11	54 54 48	25 25 30	13 5 11	844 850 845	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	14 45 41	0 5 11	0 10 23	7 23 30	44 44 63	6 20 5	38 38 10	3 4 2	19 8 4	839 844 853	14 45 41	0 10 23	44 44 63	38 38 10	19 8 4	839 844 853	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	46 46 7	8 8 0	15 15 0	26 27 6	49 51 75	15 13 2	28 25 25	4 5 0	8 9 0	848 847 847	46 46 7	15 15 0	49 51 75	28 25 25	8 9 0	848 847 847	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	23 25 15 37	4 8 1 3	15 28 6 7	15 15 9 22	56 52 53 51	6 5 5 14	22 17 29 33	2 1 2 4	7 3 12 9	849 853 845 844	23 25 15 37	15 28 6 7	56 52 53 51	22 17 29 33	7 3 12 9	849 853 845 844	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	55 36 6 3	13 2 1 0	20 5 14 0	34 23 3 1	53 55 43 33	15 12 2 1	23 29 29 33	2 5 1 1	3 12 14 33	851 844 843 838	55 36 6 3	20 5 14 0	53 55 43 33	23 29 29 33	3 12 14 33	851 844 843 838	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	50 50 0 0	0 0 0 0	0 0 0 0	0 1 100 0	0 100 0 0	0 0 0 0	0 0 0 0	1 0 0 0	100 0 0 0	828 852 0 0	50 50 0 0	0 0 100 0	0 0 0 0	100 0 0 0	828 852 0 0	50 852 0 0	0 0 100 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	2	2	4	4	1714	11
	2006-2007			2	2	1952	13
	2007-2008			2	2	1657	11
	Cum. Total*			8	3	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	35	30	29	32	5533	34
	2006-2007			31	31	5870	38
	2007-2008			35	30	5956	40
	Cum. Total*			95	31	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	39	33	30	33	4764	29
	2006-2007			33	33	3982	26
	2007-2008			39	33	3729	25
	Cum. Total*			102	33	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	42	36	29	32	4251	26
	2006-2007			33	33	3534	23
	2007-2008			42	36	3579	24
	Cum. Total*			104	34	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.4	46.3	7.4	46.3	8.4	52.5
Cluster 2: Shape and Size	14	25	5.1	36.4	5.1	36.4	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	3.6	45.0	3.6	45.0	4.6	57.5
Cluster 4: Patterns	18	32	6.7	37.2	6.7	37.2	8.9	49.4

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	118	2	2	35	30	39	33	42	36	834	118	2	30	33	36	834	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	2										2						131	7	34	26	33	836
Caucasian/White	115	2	2	34	30	37	32	42	37	834	115	2	30	32	37	834	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	21	0	0	3	14	7	33	11	52	824	21	0	14	33	52	824	2265	1	14	22	62	824
No	97	2	2	32	33	32	33	31	32	836	97	2	33	33	32	836	12656	13	45	26	17	844
Current LEP																						
Yes	2										2						315	5	24	20	51	828
No	116	2	2	34	29	38	33	42	36	834	116	2	29	33	36	834	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	48	0	0	11	23	19	40	18	38	831	48	0	23	40	38	831	5217	5	30	29	37	834
No	70	2	3	24	34	20	29	24	34	836	70	3	34	29	34	836	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	118	2	2	35	30	39	33	42	36	834	118	2	30	33	36	834	14914	11	40	25	24	841
Gender																						
Female	52	0	0	16	31	17	33	19	37	834	52	0	31	33	37	834	7199	11	40	26	23	841
Male	66	2	3	19	29	22	33	23	35	834	66	3	29	33	35	834	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	2	14	2	14	10	71	824	14	0	14	14	71	824	806	3	20	30	47	831
No	104	2	2	33	32	37	36	32	31	835	104	2	32	36	31	835	14115	12	41	25	23	842
Gifted/talented program																						
Yes	8	2	25	6	75	0	0	0	0	859	8	25	75	0	0	859	592	58	39	2	1	864
No	110	0	0	29	26	39	35	42	38	832	110	0	26	35	38	832	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	2	29	3	43	2	29	832	6	0	29	43	29	832	9	5	30	23	41	833
B. less than one hour	50	1	2	16	28	17	29	24	41	832	50	2	28	29	41	832	46	10	40	26	25	840
C. one to two hours	41	1	2	16	33	17	35	14	29	836	41	2	33	35	29	836	41	14	42	25	19	843
D. more than two hours	3	0	0	0	0	2	67	1	33	831	3	0	0	67	33	831	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	16	1	5	7	37	7	37	4	21	840	16	5	37	37	21	840	30	17	43	22	18	845
B. They match some of what I have learned.	53	0	0	21	34	21	34	20	32	835	53	0	34	34	32	835	50	10	42	26	22	841
C. They match just a little of what I have learned.	22	1	4	4	16	9	36	11	44	830	22	4	16	36	44	830	17	6	32	29	33	836
D. There is no match.	9	0	0	2	20	2	20	6	60	825	9	0	20	20	60	825	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	18	2	10	12	57	3	14	4	19	842	18	10	57	14	19	842	26	29	46	14	11	851
B. good	48	0	0	21	38	20	36	15	27	836	48	0	38	36	27	836	45	7	46	27	20	841
C. fair	27	0	0	1	3	12	39	18	58	827	27	0	3	39	58	827	23	1	26	34	38	833
D. poor	7	0	0	0	0	4	50	4	50	824	7	0	0	50	50	824	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	53	0	0	15	24	23	37	24	39	833	53	0	24	37	39	833	34	4	35	28	32	836
B. about the same as my regular schoolwork	41	2	4	17	35	15	31	14	29	836	41	4	35	31	29	836	52	10	43	26	21	842
C. easier than my regular schoolwork	5	0	0	2	33	1	17	3	50	823	5	0	33	17	50	823	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	1	2	18	32	20	36	17	30	836	50	2	32	36	30	836	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	45	1	2	15	30	13	26	21	42	832	45	2	30	26	42	832	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	0	0	3	60	2	40	828	5	0	0	60	40	828	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	1	0	0	0	0	1	100	0	0	836	1	0	0	100	0	836	9	6	38	27	29	837
B. two or three days a week	2	0	0	0	0	1	50	1	50	825	2	0	0	50	50	825	16	8	38	27	27	839
C. two or three times each month	17	1	5	7	35	5	25	7	35	834	17	5	35	25	35	834	28	12	41	27	21	843
D. never or almost never	80	1	1	27	29	32	35	32	35	834	80	1	29	35	35	834	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	4	1	20	1	20	1	20	2	40	842	4	20	20	20	40	842	38	14	42	23	21	843
B. two or three times a week	12	0	0	3	21	5	36	6	43	828	12	0	21	36	43	828	33	10	41	26	23	841
C. two or three times each month	62	0	0	23	32	24	34	24	34	834	62	0	32	34	34	834	18	10	36	27	27	840
D. never or almost never	22	1	4	7	28	9	36	8	32	835	22	4	28	36	32	835	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	67	1	1	28	36	26	33	23	29	836	67	1	36	33	29	836	54	14	44	23	18	844
B. agree	28	1	3	5	15	10	30	17	52	829	28	3	15	30	52	829	38	8	36	27	28	838
C. disagree	4	0	0	1	20	3	60	1	20	836	4	0	20	60	20	836	6	6	31	28	36	835
D. strongly disagree	0										0						2	3	23	25	49	831
Optional school/SAU question																						
A.	50	0	0	0	0	0	0	1	100	822	50	0	0	0	100	822						
B.	50	0	0	1	100	0	0	0	0	846	50	0	100	0	0	846						
C.	0										0											
D.	0										0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	11	9	6	7	1879	12
	2006-2007			5	5	2192	14
	2007-2008			11	9	2371	16
	Cum. Total*			22	7	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	56	47	41	45	8604	53
	2006-2007			53	54	7916	52
	2007-2008			56	47	7630	51
	Cum. Total*			150	49	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	35	30	28	30	3618	22
	2006-2007			25	25	3340	22
	2007-2008			35	30	3175	21
	Cum. Total*			88	28	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	16	14	17	18	2174	13
	2006-2007			16	16	1865	12
	2007-2008			16	14	1731	12
	Cum. Total*			49	16	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.8	55.7	7.8	55.7	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.0	50.0	7.0	50.0	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	6.6	47.1	6.6	47.1	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.1	57.9	8.1	57.9	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.



SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 55
 School: Sacoe Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	118	11	9	56	47	35	30	16	14	845	118	9	47	30	14	845	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	2										2						131	5	50	22	23	842
Caucasian/White	115	11	10	55	48	34	30	15	13	845	115	10	48	30	13	845	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	21	1	5	8	38	7	33	5	24	841	21	5	38	33	24	841	2258	3	29	31	37	836
No	97	10	10	48	49	28	29	11	11	845	97	10	49	29	11	845	12649	18	55	20	7	850
Current LEP																						
Yes	2										2						315	4	29	25	42	834
No	116	11	9	55	47	35	30	15	13	845	116	9	47	30	13	845	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	48	2	4	23	48	14	29	9	19	842	48	4	48	29	19	842	5206	8	45	28	20	842
No	70	9	13	33	47	21	30	7	10	846	70	13	47	30	10	846	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	118	11	9	56	47	35	30	16	14	845	118	9	47	30	14	845	14900	16	51	21	12	847
Gender																						
Female	52	2	4	26	50	17	33	7	13	843	52	4	50	33	13	843	7196	14	52	23	12	847
Male	66	9	14	30	45	18	27	9	14	846	66	14	45	27	14	846	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	14	0	0	4	29	5	36	5	36	836	14	0	29	36	36	836	804	6	38	34	22	841
No	104	11	11	52	50	30	29	11	11	846	104	11	50	29	11	846	14103	16	52	21	11	848
Gifted/talented program																						
Yes	8	4	50	3	38	1	13	0	0	862	8	50	38	13	0	862	592	63	35	1	0	865
No	110	7	6	53	48	34	31	16	15	843	110	6	48	31	15	843	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 55
School: Sacopee Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	6	0	0	4	57	2	29	1	14	844	6	0	57	29	14	844	9	10	40	26	23	842
B. less than one hour	50	6	10	28	48	18	31	6	10	845	50	10	48	31	10	845	46	14	52	22	12	847
C. one to two hours	41	5	10	21	44	13	27	9	19	844	41	10	44	27	19	844	41	19	53	19	9	849
D. more than two hours	3	0	0	2	67	1	33	0	0	841	3	0	67	33	0	841	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	20	3	13	13	57	6	26	1	4	847	20	13	57	26	4	847	29	19	54	19	9	849
B. They match some of what I have learned.	56	6	9	27	42	23	35	9	14	844	56	9	42	35	14	844	49	16	51	22	11	848
C. They match just a little of what I have learned.	19	2	9	11	50	5	23	4	18	845	19	9	50	23	18	845	18	13	51	23	13	846
D. There is no match.	5	0	0	4	67	0	0	2	33	843	5	0	67	0	33	843	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	22	4	16	15	60	5	20	1	4	850	22	16	60	20	4	850	23	28	51	13	8	853
B. good	47	7	13	24	44	12	22	11	20	845	47	13	44	22	20	845	54	15	55	21	9	848
C. fair	28	0	0	16	48	14	42	3	9	841	28	0	48	42	9	841	20	5	45	32	18	842
D. poor	3	0	0	0	0	3	75	1	25	835	3	0	0	75	25	835	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	34	4	10	16	41	15	38	4	10	844	34	10	41	38	10	844	27	15	49	22	14	846
B. about the same as my regular schoolwork	54	6	10	29	48	16	26	10	16	844	54	10	48	26	16	844	59	15	53	22	10	848
C. easier than my regular schoolwork	12	1	7	10	71	2	14	1	7	848	12	7	71	14	7	848	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	41	7	15	21	44	17	35	3	6	847	41	15	44	35	6	847	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	51	4	7	28	47	17	29	10	17	843	51	7	47	29	17	843	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	8	0	0	6	67	0	0	3	33	843	8	0	67	0	33	843	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	18	3	15	8	40	5	25	4	20	844	18	15	40	25	20	844	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	21	3	13	16	67	3	13	2	8	848	21	13	67	13	8	848	24	18	53	20	10	849
C. the course(s) described in B, plus physics	14	0	0	11	69	5	31	0	0	845	14	0	69	31	0	845	22	30	47	14	8	853
D. a life science and physical science class	47	4	8	20	38	20	38	9	17	843	47	8	38	38	17	843	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	22	3	12	9	36	8	32	5	20	842	22	12	36	32	20	842	27	23	51	17	9	851
B. agree	57	7	11	37	56	18	27	4	6	847	57	11	56	27	6	847	54	15	53	21	11	847
C. disagree	14	1	6	6	38	6	38	3	19	843	14	6	38	38	19	843	15	10	50	26	14	845
D. strongly disagree	7	0	0	3	38	1	13	4	50	837	7	0	38	13	50	837	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	19	2	9	11	50	7	32	2	9	845	19	9	50	32	9	845	25	24	52	15	8	851
B. agree	45	8	16	26	51	13	25	4	8	847	45	16	51	25	8	847	37	15	50	22	12	847
C. disagree	25	1	4	13	46	10	36	4	14	843	25	4	46	36	14	843	26	12	53	23	12	846
D. strongly disagree	11	0	0	5	38	3	23	5	38	838	11	0	38	23	38	838	12	8	48	28	15	844
Optional school/SAU question																						
A.	50	0	0	0	0	1	100	0	0	838	50	0	0	100	0	838						
B.	50	0	0	0	0	1	100	0	0	840	50	0	0	100	0	840						
C.	0										0											
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number